

VTPC150V



VARTECH SYSTEMS INC.

Solutions for Demanding Applications

VTPC150V NEMA 4 (IP65) Fully Enclosed LCD & Computer

VarTech's multi-functional, user friendly, industrial grade VESA mount 15" NEMA 4 (IP65) fully enclosed touch screen computer offers extensive features, is housed in a gasket sealed black powder coated enclosure, is incorporated with a 400 nit (cd/m²) bright active matrix TFT display and is integrated with Intel's Atom N270 1.6GHz Processing Technology. The system has no external vents, so nothing can get under its skin; including weather, dust, dirt, moisture, oil, chemicals or other harsh contaminants. With its lightweight yet rugged construction and either pre-cabled or bulkhead connectors, these models are easily mounted on walls, stands,

SPECIFICATIONS

FEATURES

- 15" Bright Active Matrix TFT Display, 400 nits (cd/m²)
- Powered by Intel Atom N270 1.6GHz Processor
- 2 GB 200-pin SO-DIMM DDR 333/400MHz
- 320 GB SATA Fast Access Disk Drive Standard (Up to 1TB Available)
- Fully-Enclosed, Gasket Sealed NEMA 4 (IP65) Black Powder Coated Enclosure
- Resistive Touch Screen Standard (other technologies available)
- Windows XP Professional Operating System (optional Windows Embedded or Windows 7)
- High Contrast Ratio & Definition, Outstanding Vivid Color & Image Quality
- Wide Color Gamut
- 16.8 million colors
- Energy Efficient, Low Power Consumption
- High Environmental Performance and Reliability
- Anti-Reflective Protective Window
- XGA (1024 x 768) Resolution
- Wide Operational Temperature Range, -10°C to +60°C (14°F to +140°F)(optional extended temperature ranges available)
- RoHS Compliant
- Engineered and Manufactured by VarTech Systems, an ISO 9001 Registered Company
- Engineered, Fabricated and Assembled in the USA
- Two (2) Year Warranty

Display

15" XGA TFT LCD

Resolution

1024 x 768

Viewing Angle

140° (H) / 120° (V)

Pixel Pitch

0.294mm

Display Colors

16.7M

Brightness

400 cd/m²

Contrast Ratio

500:1

Response Time

7 ms

Power Input

100-240 VAC 1.5A 50/60 Hz

Optional:

9-36VDC

Power Consumption

42W

Processor

Intel® Atom™ N270, 1.6 GHz Processor with a 533 Mhz FSB

Optional Processor:

T4500 2.30 GHz 800MHz FSB

Pentium Dual Core CPU

BIOS

AMI BIOS

O/S

Microsoft XP Professional (optional Windows Embedded Standard or Windows 7)

System Memory

2GB DDR2 533 SO-DIMM

With Optional Dual Core CPU:

4GB DDR2 PC2-5300 Ram

Hard Drive

320GB Fast Access SATA

VGA

Intel Generation 3.5 integrated GFX Core (133Mhz)

Sealed I/O

1 Power Connector

1 LAN port (2 LAN Optional)

2 RS-232 COM port

3 USB 2.0 ports

I/O with optional Dual Core CPU:

3 USB, 2 Serial, 1 LAN connector

LAN

PCIe Realtek 8111CP GbE

Connections

Sealed connections for USB, Serial, Ethernet, and Power

Temperature

Operational: -10° to 60°C

Storage: -20° to 65°C

Weight

18 lb

Humidity

Operational: 0 to 90% RH NC

Storage: 0 to 95% RH NC

Touch Screen

Resistive Standard

Display Construction

NEMA 4 (IP65) - Black Powder Coat

Dimensions:

16.15" (W) x 15.96" (H) x 5.21" (D)

Height is 12.09" when not allowing for connections at bottom

Approximate Shipping Dimensions and Weight

24" x 21" x 10" (WxLxH) / 24lbs.

CONTACT

HEADQUARTERS

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OPTIONS

- T4500 2.30 GHz 800MHz FSB Intel Dual Core Processor (operating temperature with dual core processor: -10° to 45°C / 14° to 113°F)
- Optional 4GB DDR2 PC2-5300 SO-DIMM System Memory (only in conjunction with the Dual Core processor)
- Solid State SATA hard drive
- Up to 1TB Hard Drive Available
- Can Support Dual Hard Drives
- CANbus
- Windows Embedded Standard or Windows 7
- Alternate Touch Screen Technologies: Capacitive or Armor Touch
- Sunlight Readable 1950 nits (cd/m²), Low Power, High Reliability Solid State LED Backlighting (will

require a thermal dissipation heat-sink on rear of enclosure)

- Wireless Connection
- Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity (VBOND)
- Fan-less Design (will require a thermal dissipation heat-sink on rear of enclosure)
- Optional Operating: -20°C (-4°F) to 70°C (158°F)
- 6 to 32V DC Power Supply
- For Bottom Exiting connectors, please see VTPC150VR
- * Available with adjustable tilt pedestal

Marks of Conformity:

Product Safety: UL60950-1/CSA C22.2 No. 60590-1 (2006/95/EC, EN 60950-1:2006, IEC 60950-1:2005)

FCC47 CFR part 15, subpart B

EMC: EN 55022:2006, EN 55024:1998, CISPR

22:2005, CISPR 24:1997

Canada: ICES-003

Australia/New Zealand: AS/NZS CISPR 22

CE

RoHS

WEEE

